


**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on December 15, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number **ET582748119US**, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Sue Funchess

Attorney Docket No.:

LAM1P180/P1170X

First Named Inventor: RUSU

22581 U.S. PTO  
10/737022



**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**  
(Continuation, Divisional or Continuation-in-part application)

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:  
**Camelia RUSU, Rajinder DHINDSA, Eric A. HUDSON, Mukund SRINIVASAN,**  
**Lumin LI, and Felix KOZAKEVICH**

For: **HIGH ASPECT RATIO ETCH USING MODULATION OF RF POWERS OF VARIOUS FREQUENCIES**

Assigned to: Lam Research Corporation

This application is a ☐ Continuation ☐ Divisional ☒ Continuation-in-part  
of prior Application No.: \_\_\_\_\_ (Attorney Docket No. 2328-026) entitled "Multiple  
Frequency Plasma Etch Reactor" by Raj Dhindsa, Eric Lenz, Mukund Srinivasan, Aaron Eppler, Felix  
Kozakevich, Camelia Rusu, Lumin Li, Reza Sadjadi, Jim Tietz, and Jeff Marks filed August 22, 2003, from  
which priority under 35 U.S.C. §120 is claimed.

The specification has been amended to claim priority from the parent application, or such  
amendment is included in a separate sheet.

**Application Elements:**

- ☒ **36** Pages of Specification, Claims and Abstract
- ☒ **11** Sheets of Formal Drawings
- ☒ **03** Pages of Combined Declaration and Power of Attorney
- ☒ Newly executed

☐ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional). The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☒ Do not publish this application. Nonpublication Request is attached.
- ☒ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
- ☒ Associate Power of Attorney
- ☐ 37 CFR 3.73(b) Statement by Assignee
- ☐ Information Disclosure Statement with Form PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)
- ☒ Return Receipt Postcard
- ☐ Other:

Claim For Foreign Priority

- ☐ Priority of      Application No.      filed on  
is claimed under 35 U.S.C. § 119.
- ☐ The certified copy has been filed in prior application U.S. Application No.
  - ☐ The certified copy will follow.

Extension of Time for Prior Pending Application

- ☐ A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

Fee Calculation (37 CFR § 1.16)

☐ Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	18	MINUS	20	= 0	x 18 =	\$-0-
INDEP.	3	MINUS	3	= 0	x 86 =	\$-0-
[ ] First presentation of multiple dependent claim					\$290 =	
Basic Filing Fee under 37 C.F.R. §1.16(a)					\$770 =	\$770.00
TOTAL						\$770.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

☒ Check No. 2414 in the amount of \$770.00 is enclosed in payment of basic filing fee. Check No. 2415 in the amount of \$40.00 is enclosed in payment of assignment recordation fee.

☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 50-0388 (Order No. LAM1P180).

General Authorization for Petition for Extension of Time (37 CFR §1.136)


☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 50-0388 (Order No. LAM1P180).

☒ Please send correspondence to the following address:

**Customer Number 022434**

**022434**

Date: December 15, 2003

  
\_\_\_\_\_  
Michael Lee  
Registration No. 31,846

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: RUSU et al.

Attorney Docket No.: LAM1P180/P1170X

Application No.: Filed Herewith

Examiner: Unassigned

Filed: Herewith

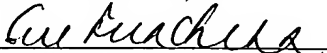
Group: Unassigned

Title: HIGH ASPECT RATIO ETCH USING  
MODULATION OF RF POWERS OF VARIOUS  
FREQUENCIES

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Sue Funchess


**NONPUBLICATION REQUEST AND CERTIFICATION  
(35 U.S.C. 122(b)(2)(B)(i))**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen (18) months after filing. I hereby request that the attached application **NOT** be published under 35 U.S.C. 122(b).

Date: December 15, 2003

  
Michael Lee  
Registration No. 31,846